Title (en)
METHOD FOR THE SYNTHESIS OF ALPHA-AMINOALKYLENEPHOSPHONIC ACID

Title (de)
VERFAHREN ZUR SYNTHESE VON ALPHA-AMINOAKLYLENPHOSPHONSÄURE

Title (fr)
PROCÉDÉ DE SYNTHÈSE D'ACIDE ALPHA-AMINOALKYLÈNEPHOSPHONIQUE

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Abstract (en)
[origin: WO2014012990A1] The present invention is related to a new method for the synthesis of alpha-aminoalkylenephosphonic acid or its phosphonate esters comprising the steps of forming a reaction mixture by mixing a P-O-P anhydride moiety comprising compound, having one P-atom at the oxidation state (+111) and the other P-atom at the oxidation state (+111) or (+V), an aminoalkanecarboxylic acid and an acid catalyst, wherein said reaction mixture comprises an equivalent ratio of alpha-aminoalkylene carboxylic acid to P-O-P anhydride moieties of at least 0.2, and recovering the resulting alpha-aminoalkylene phosphonic acid compound or an ester thereof from the reaction mixture.

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Cited by
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